



SEQUENCE LISTING

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<120> METHODS FOR DIAGNOSING AND EVALUATING CANCER

<130> 100086.407C12

<140> US 10/759,379
<141> 2004-10-16

<150> 09/305,928
<151> 1999-05-05

<150> 09/234,395
<151> 1999-01-20

<150> 09/187,859
<151> 1998-11-06

<150> 09/073,040
<151> 1998-05-05

<160> 324

<170> PatentIn Ver. 2.0

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Motif in Extracellular domains of Classical
Cadherins

<400> 1
Asp Xaa Asn Asp Asn
1 5

<210> 2
<211> 4
<212> PRT
<213> Unknown

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Motif in Extracellular domains of Classical
Cadherins

<400> 2
Leu Asp Arg Glu

1

<210> 3

<211> 9

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Synthesis based on Human OB-Cadherin

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Ile Phe Val Ile Asp Asp Lys Ser Gly
1 5

<210> 4

<211> 106

<212> PRT

<213> Homo sapiens

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Gly Trp Val Trp Asn Gln Phe Phe Val Ile Glu Glu Tyr Thr Gly Pro
1 5 10 15Asp Pro Val Leu Val Gly Arg Leu His Ser Asp Ile Asp Ser Gly Asp
20 25 30Gly Asn Ile Lys Tyr Ile Leu Ser Gly Glu Gly Ala Gly Thr Ile Phe
35 40 45Val Ile Asp Asp Lys Ser Gly Asn Ile His Ala Thr Lys Thr Leu Asp
50 55 60Arg Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala Gln Ala Val Asp Arg
65 70 75 80Asp Thr Asn Arg Pro Leu Glu Pro Pro Ser Glu Phe Ile Val Lys Val
85 90 95Gln Asp Ile Asn Asp Asn Pro Pro Glu Phe
100 105

<210> 5

<211> 106

<212> PRT

<213> Mus musculus

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Gly Trp Val Trp Asn Gln Phe Phe Val Ile Glu Glu Tyr Thr Gly Pro
1 5 10 15Asp Pro Val Leu Val Gly Arg Leu His Ser Asp Ile Asp Ser Gly Asp
20 25 30Gly Asn Ile Lys Tyr Ile Leu Ser Gly Glu Gly Ala Gly Thr Ile Phe
35 40 45Val Ile Asp Asp Lys Ser Gly Asn Ile His Ala Thr Lys Thr Leu Asp
50 55 60

Arg Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala Gln Ala Val Asp Arg

65 70 75 80

Asp Thr Asn Arg Pro Leu Glu Pro Pro Ser Glu Phe Ile Val Lys Val
 85 90 95

Gln Asp Ile Asn Asp Asn Pro Pro Glu Phe
100 105

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Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
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Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
20 25 30

Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
35 40 45

Gly Ile Phe Ile Leu Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
50 55 60

Pro Leu Asp Arg Glu Gln Ile Ala Arg Phe His Leu Arg Ala His Ala
65 70 75 80

Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
85 90 95

Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
100 105

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1 5 10 15

Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
20 25 30

Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
35 40 45

Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
50 55 60

Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala

65 70 75 80
Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
 85 90 95

Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
100 105

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Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
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Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
20 25 30

Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
35 40 45

Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
50 55 60

Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala
65 70 75 80

Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
85 90 95

Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
100 105

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<222> (1)
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 1 5

<210> 10
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 Adhesion Recognition Sequence in an OB-Cadherin

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 <223> Where Xaa is either Valine of Serine

<220>
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 <222> (4)
 <223> Where Xaa is either Isoleucine or Valine

<220>
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 <222> (5)
 <223> Where Xaa is either Aspartate or Glutamate

<220>
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 <222> (6)
 <223> Where Xaa is an Independently selected amino acid

<220>
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 <223> Where Xaa is an independently selected amino acid

<220>
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 <222> (8)
 <223> Where Xaa is either Serine or Threonine

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Ile Asp Asp Lys

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<211> 4

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Synthesis based on Human OB-Cadherin

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Asp Asp Lys Ser

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<210> 13

<211> 5

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Synthesis based on Human OB-Cadherin

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Val Ile Asp Asp Lys

1

5

<210> 14

<211> 5

<212> PRT

<213> Artificial Sequence

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Synthesis based on Human OB-Cadherin

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Ile Asp Asp Lys Ser

1

5

<210> 15

<211> 6

<212> PRT

<213> Artificial Sequence

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Synthesis based on Human OB-Cadherin

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Val Ile Asp Asp Lys Ser

1

5

<210> 16
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<400> 16
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 1 5

<210> 17
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 1 5

<210> 18
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<400> 18
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 1 5

<210> 19
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<400> 19
 Phe Val Ile Asp Asp Lys
 1 5

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<400> 21
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<400> 23
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<400> 24
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<400> 25
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<400> 26
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<210> 27
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<400> 27
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<210> 28
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 Synthesis based on Human OB-Cadherin

<400> 28
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<400> 29
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<210> 30
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 Synthesis based on Human OB-Cadherin

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<210> 33
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 Synthesis based on Human OB-Cadherin

<400> 33
 Phe Val Ile Glu Glu Tyr
 1 5

<210> 34
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<210> 35

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Phe Val Ile Glu Glu Tyr Thr Gly
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<210> 36

<211> 7

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Synthesis based on Human OB-Cadherin

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1 5

<210> 37

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Synthesis based on Human OB-Cadherin

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Phe Phe Val Ile Glu Glu Tyr Thr
1 5

<210> 38

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

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Synthesis based on Human OB-Cadherin

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Phe Phe Val Ile Glu Glu Tyr Thr Gly
1 5

<210> 39

<211> 4

<212> PRT

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<400> 39
 Val Glu Ala Gln
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<210> 40
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 Ser Val Glu Ala Gln
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<210> 42
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 Val Glu Ala Gln Thr
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<210> 43
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 Synthesis based on Human OB-Cadherin

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<210> 44

<211> 5
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 Glu Ala Gln Thr Gly
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<210> 46
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<210> 47
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 Phe Ser Val Glu Ala Gln
 1 5

<210> 48
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<220>
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 Synthesis based on Human OB-Cadherin

<400> 48

Phe Ser Val Glu Ala Gln Thr
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<210> 49
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 Synthesis based on Human OB-Cadherin

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<210> 50
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 1 5

<210> 51
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<220>
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 Tyr Phe Ser Val Glu Ala Gln Thr
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<210> 52
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<210> 53
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<210> 54
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<220>
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<210> 55
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 Synthesis and Cyclization based on Human
 OB-Cadherin

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<210> 56
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 1 5

<210> 57
 <211> 6
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<220>
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 OB-Cadherin

<220>
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<400> 57
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<210> 58
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<220>
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<400> 58
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 1 5

<210> 59
 <211> 7
 <212> PRT
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<220>
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 Synthesis and Cyclization based on Human
 OB-Cadherin

<220>
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<400> 59
 Cys Ile Asp Asp Lys Ser Cys
 1 5

<210> 60
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<210> 61
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 OB-Cadherin

<220>
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<400> 61
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<210> 62
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<400> 62

Cys Ile Asp Asp Lys Ser Gly Cys
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Synthesis and Cyclization based on Human
OB-Cadherin

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OB-Cadherin

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Cys Phe Val Ile Asp Asp Lys Cys
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<210> 65

<211> 9

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Synthesis and Cyclization based on Human
OB-Cadherin

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<223> Cyclic Peptide

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Cys Phe Val Ile Asp Asp Lys Ser Cys
1 5

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 OB-Cadherin

<220>
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 Synthesis and Cyclization based on Human
 OB-Cadherin

<220>
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<400> 67
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<210> 68
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 Synthesis and Cyclization based on Human
 OB-Cadherin

<220>
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<400> 68
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 1 5 10

<210> 69
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 Synthesis and Cyclization based on Human

OB-Cadherin

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<400> 70

Asp Asp Asp Lys Lys
 1 5

<210> 71

<211> 6

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<213> Artificial Sequence

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 Synthesis and Cyclization based on Human
 OB-Cadherin

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<400> 71

Asp Ile Asp Asp Lys Lys
 1 5

<210> 72

<211> 7

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 Synthesis and Cyclization based on Human
 OB-Cadherin

<220>

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<400> 72

Asp Val Ile Asp Asp Lys Lys
 1 5

<210> 73
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<220>
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 Synthesis and Cyclization based on Human
 OB-Cadherin

<220>
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<400> 73
 Asp Phe Val Ile Asp Asp Lys Lys
 1 5

<210> 74
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 Synthesis and Cyclization based on Human
 OB-Cadherin

<220>
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<400> 74
 Asp Ile Phe Val Ile Asp Asp Lys Lys
 1 5

<210> 75
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<220>
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 Synthesis and Cyclization based on Human
 OB-Cadherin

<220>
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<400> 75
 Glu Asp Asp Lys Lys
 1 5

<210> 76
 <211> 6
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Product of
 Synthesis and Cyclization based on Human
 OB-Cadherin

<220>
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<400> 76
 Glu Ile Asp Asp Lys Lys
 1 5

<210> 77
 <211> 7
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 <213> Artificial Sequence

<220>
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 Synthesis and Cyclization based on Human
 OB-Cadherin

<220>
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<400> 77
 Glu Val Ile Asp Asp Lys Lys
 1 5

<210> 78
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<220>
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 Synthesis and Cyclization based on Human
 OB-Cadherin

<220>
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<400> 78
 Glu Phe Val Ile Asp Asp Lys Lys
 1 5

<210> 79
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 Synthesis and Cyclization based on Human
 OB-Cadherin

<220>
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<400> 79

Glu Ile Phe Val Ile Asp Asp Lys Lys
1 5

<210> 80

<211> 6

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Synthesis and Cyclization based on Human
OB-Cadherin

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<400> 80

Phe Val Ile Asp Asp Lys
1 5

<210> 81

<211> 7

<212> PRT

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Synthesis and Cyclization based on Human
OB-Cadherin

<220>

<223> Cyclic Peptide

<400> 81

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forward primer

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primer

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 forward primer

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 reverse primer

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